

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (previously presented) An introducer sheath, comprising:
an inner tube having a passageway extending longitudinally therethrough, said passageway having a substantially uniform inner diameter of from 16 to 30 French;

a coil having a plurality of coil turns extending longitudinally around said inner tube, and a plurality of predetermined spacings between said turns; and

an outer tube positioned longitudinally around said coil and said inner tube connected to said inner tube through the spacings between said turns, said outer tube having a durometer of about 30 to 60 on the Shore D hardness scale.

2. (original) The introducer sheath of claim 1, wherein said spacings between said coil turns have a uniform width.

3. (canceled)

4. (currently amended) The introducer sheath of claim 1, wherein said uniform inner diameter of said passageway ranges from 20 to 26 French.

5. (currently amended) The introducer sheath of claim 4, wherein said uniform inner diameter of said passageway comprises one of 22 French and 24 French.

6. (original) The introducer sheath of claim 2, further comprising a side port positioned at a distal end of said reinforcement or coil.

7. (canceled)

8. (previously presented) The introducer sheath of claim 1, wherein said outer tube comprises polyamide.

9. (original) The introducer sheath of claim 8, wherein said polyamide comprises nylon having a durometer of about 40.

10. (original) The introducer sheath of claim 2, further comprising a polymeric radiographic marker tube disposed adjacent a distal end of said coil.

11. (original) The introducer sheath of claim 10, wherein said radiographic marker tube comprises polyamide and is disposed along said sheath between said inner tube and said outer tube, said marker tube comprising a high density radiopaque material ranging between about 40 and 90 weight percent of the total weight of the marker tube.

12. (original) The introducer sheath of claim 11, wherein said radiopaque material comprises about 80 weight percent of said total weight.

13. (original) The introducer sheath of claim 11, wherein said marker tube comprises nylon, and said radiopaque material comprises tungsten.

14. (original) The introducer sheath of claim 2, wherein said inner tube comprises PTFE, said coil comprises stainless steel flat wire, and said outer tube comprises nylon, said outer tube having a durometer between about 35 and 50.

15. (original) The introducer sheath of claim 14, wherein said durometer is about 40.

16. (original) The introducer sheath of claim 2, wherein said uniform width of said spacings is between about 0.004 and 0.08 inch (0.1 and 2 mm).

17. (original) The introducer sheath of claim 16, wherein said uniform width is about 0.012 inch (0.03 mm), and each coil turn of said coil has a width between about 0.005 and 0.030 inch (0.13 and 0.76 mm).

18. (original) The introducer sheath of claim 16, wherein a proximal end of said coil is spaced from a proximal end of said sheath by about 0.5 to 5.0 inches (1.27 and 12.7 cm), and a distal end of said coil is spaced from a distal end of said sheath by about 0.1 and 2 inches (0.25 and 5.1 cm).

19. (original) The introducer sheath of claim 18, wherein said proximal end of said coil is spaced from said proximal end of said sheath by about 1.2 inches (3.1 cm), and said distal end of said coil is spaced from said distal end of said sheath by about 0.8 inch (2 cm).

20. (original) The introducer sheath of claim 11, wherein said radiographic marker tube is bonded to said outer tube by a thermal bond.

21. (original) The introducer sheath of claim 20, further comprising a side port extending radially through said inner tube, said marker tube and said outer tube.

22. (canceled)

23. (canceled)

24. (canceled)

25. (canceled)

26. (canceled)

27. (canceled)

28. (canceled)

29. (previously presented) The introducer sheath of claim 20, wherein said radiographic marker tube and said outer tube are formed from the same polymer having the same durometer, and said tubes are bonded together by a thermal bond.

30. (new) A sheath, comprising:

a lubricious inner tube having a passageway extending longitudinally therethrough, said passageway having a substantially uniform inner diameter of from 22 to 24 French, said inner tube having a wall thickness of about 0.005 inch (0.13 mm);

a flat wire coil having a plurality of coil turns extending longitudinally around a length of said inner tube, and a plurality of spacings between said turns, said spacings having a generally uniform width along said inner tube length;

an outer tube positioned longitudinally around said coil and said inner tube and bonded to said inner tube through said spacings between said turns, said outer tube having a durometer of about 35 to 50 on the Shore D hardness scale, and having a wall thickness of about 0.01 inch (0.25 mm); and

a polymeric radiographic marker tube disposed between said inner tube and said outer tube adjacent a distal end of said coil, said marker tube comprising a high density radiopaque material ranging between about 40 and 90 weight percent of the total weight of the marker tube.

31. (new) The sheath of claim 30, wherein said flat wire coil extends longitudinally around said inner tube about 0.12 to 0.16 inch (3 to 4 mm) from a distal end of said inner tube and about 0.2 inch (5 mm) from a proximal end of said inner tube.

32. (new) The sheath of claim 30, wherein each of said outer tube and radiographic marker tube is formed of polyamide, and each of said tubes has a durometer between about 35 and 50 on the Shore D scale.

33. (new) The sheath of claim 32, wherein each of said polyamide outer tube and radiographic marker tube has a durometer of about 40 on the Shore D scale.

34. (new) The sheath of claim 33, further comprising a side port distal of said flat wire coil, said side port extending through said inner tube, marker tube and outer tube.